

CLINITEK® AUWi™ System PM Checklist

UF-1000i and Track Preventive Maintenance Guide

Purpose

This document provides a list of scheduled preventive maintenance procedures to be performed at the recommended frequencies.

Institution Name: _____

System Serial No.: _____

Product & Model: _____

Cycle Count:
(if applicable)

Frequency:

Semi-annual: ☐ Annual: ☐

Warranty: ☐

Contract: ☐

On Demand: ☐

The CLINITEK AUWi Preventive Maintenance on the UF-1000i and Track is based upon a 6 month PM cycle. The 6 month PM cycle is based upon an average sample count of 15000 samples. The PM cycle may need to be increased for customers that run samples far in excess of 15,000/6 months. Examples are high volume Quest and BRL sites.

Disclaimer

The installation and servicing of the equipment described herein is to be performed by qualified personnel who are employed by Siemens or one of its affiliates, or who are otherwise authorized by Siemens or one of its affiliates to provide such services. Assemblers and other persons who are not employed by or otherwise directly affiliated with or authorized by, Siemens or one of its affiliates are directed to contact one of the local offices of Siemens or one of its affiliates before attempting installation or service procedures.



BIOHAZARD

Wear personal protective equipment and use universal precautions.

Special Instructions for Siemens Personnel

To complete the tasks listed in this checklist, refer to the system's Service Guide for procedural information.

Order UF-1000i PM Kit 10713799.

Tasks Completed

System	Item	Siemens Part #	Sysmex Part #	Value	¹ / ₂ Year	1 Year
Pre-check	Review purpose of PM with the customer.	—	—	—	<input type="checkbox"/> Review	<input type="checkbox"/> Review
	Interview the operator.	—	—	—	<input type="checkbox"/> Interview	<input type="checkbox"/> Interview
	Verify instrument operation.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check
Sample Aspiration Unit	Clean the Sample Aspiration Pipette.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Clean the Aspiration Path.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Check the Sample Filter semiannually. Replace the Sample Filter yearly.	10635175 10635174*	BM145402 BL248407*	—	<input type="checkbox"/> Check	<input type="checkbox"/> Replace
	Clean the Rinse Cup.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Check the Rinse Cup Mounting Plate semiannually. Replace the Rinse Cup Mounting Plate yearly.	10378354	366-1473-5	—	<input type="checkbox"/> Check	<input type="checkbox"/> Replace
Reaction Unit	Disassemble and clean the SRV.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Clean the Reaction Chamber, including the overflow nipples and white Teflon® rings.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
Pneumatic Unit	Clean the Bellows semiannually. Replace the Bellows unit yearly.	10378388	991-0542-3	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Replace
	Clean the Drain Filter.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Check the pressure level (0.26 MPa).	—	—	LL 0.24 UL 0.26	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Check/Adjust the pressure level (0.05 MPa).	—	—	LL 0.045 UL 0.054	<input type="checkbox"/> Adjust	<input type="checkbox"/> Adjust
	Check/Adjust the pressure level (–0.053 MPa).	—	—	LL –0.050 UL –0.056	<input type="checkbox"/> Adjust	<input type="checkbox"/> Adjust
	Replace the Vacuum Head yearly.	10378370	443-6865-6	—	No Action	<input type="checkbox"/> Replace
	Replace the Pressure Head yearly.	10378371	448-6866-0	—	No Action	<input type="checkbox"/> Replace
Hydraulic	Replace the Air Drier Tube yearly.	10712827	443-2606-1	—	No Action	<input type="checkbox"/> Replace
	Clean the Overflow Sensor.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Replace the Sheath Syringe body.	10378384	943-2234-1	—	<input type="checkbox"/> Replace	<input type="checkbox"/> Replace
	Replace the Whole Urine Pump seal every 30,000 cycles or yearly.	10378352	346-9357-8	—	<input type="checkbox"/> Replace	<input type="checkbox"/> Replace
	Replace the Charging Pump seal every 30,000 cycles or yearly.	10378352	346-9357-8	—	<input type="checkbox"/> Replace	<input type="checkbox"/> Replace
	Replace the Waste Line Pinch Tubing of the Rinse Cup semiannually.	10329288	442-6486-5	140 mm	<input type="checkbox"/> Replace	<input type="checkbox"/> Replace
	Replace the Pinch Line Tubing of the Waste Chambers semiannually.	10329288	442-6486-5	250 mm	<input type="checkbox"/> Replace	<input type="checkbox"/> Replace
	Replace the Pinch Tubing of the charging lines semiannually	10377317	442-6483-4	SED 40 mm BAC 65 mm	<input type="checkbox"/> Replace	<input type="checkbox"/> Replace
Other	Clean the Flow Cell (using Sysmex Service menus).	10713983 Tool	063-3001-0	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Clean inside of the system and Sysmex work area.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Check the system for leaks.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Replace dirty or damaged tubing.	—	—	—	<input type="checkbox"/> Replace	<input type="checkbox"/> Replace
	Lubricate Linear Sliders.	—	—	—	<input type="checkbox"/> Lube	<input type="checkbox"/> Lube

* If the sample filter has not been retrofitted to the new version, replace with retrofit kit.

System	Item	Siemens Part #	Sysmex Part #	Value	1/2 Year	1 Year
IPU	Clean the IPU display.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Vacuum and clean the inside of the IPU.	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Back up data (Service menu).	—	—	—	<input type="checkbox"/> Back up	<input type="checkbox"/> Back up
Operation	Check/Adjust the Aspiration Pipette position.	—	—	—	<input type="checkbox"/> Adjust	<input type="checkbox"/> Adjust
	Check/Adjust the Sample Rotation Unit position.	—	—	—	<input type="checkbox"/> Adjust	<input type="checkbox"/> Adjust
	Check/Adjust the mixing speed – Reaction Chamber.	—	—	Target 1550 rpm (1450–1650 rpm)	<input type="checkbox"/> Adjust	<input type="checkbox"/> Adjust
	Check/Adjust the mixing motor position.	—	—	—	<input type="checkbox"/> Adjust	<input type="checkbox"/> Adjust
	Check UF II Control measured data.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check
Optical Alignment	Check S-FSC with 7µm Latex measured data.	10377388	Duke 4070	115 ±30 ch %CV < 1.8%	No Action	<input type="checkbox"/> Check
	Check B-FSC with 1µm Latex measured data.	10377389	Duke 4010	90 ±30 ch %CV < 4.0% Single peak	No Action	<input type="checkbox"/> Check
	Check S-SFL with Fluorescence Latex measured data.	10377390	A7312	120 ±30 ch %CV < 6.0%	No Action	<input type="checkbox"/> Check
	Check S-SSC with Fluorescence Latex measured data.	10377390	A7312	70 ±30 ch %CV < 6.0%	No Action	<input type="checkbox"/> Check
	Check FLL and SSC %CV.	—	—	< 1.5% difference	No Action	<input type="checkbox"/> Check
Temperature	Check SED Reaction Chamber.	—	—	31.5–36.5°C	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Check BAC Reaction Chamber.	—	—	37.5–42.5°C	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Check Sheath Heater.	—	—	33.5–38.5°C	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Check Photo-multiplier.	—	—	33.0–37.0°C	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Check Pneumatic Unit duct.	—	—	15–32°C	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Check room temperature.	—	—	below 30°C	<input type="checkbox"/> Check	<input type="checkbox"/> Check
General	Check engineering change records.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Perform operation check.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Re-confirm the measured data from Pre-check.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Perform quality control.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check
	Clean up (waste container, etc.).	—	—	—	<input type="checkbox"/> Clean	<input type="checkbox"/> Clean
	Check accessories.	—	—	—	<input type="checkbox"/> Check	<input type="checkbox"/> Check

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Date	Signature (Customer)	Date	Signature (FSE)
Print name		Print name	